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Record #	ABU	Unit	I/R	Item Nbr	Additional Consideration (Recommendation)	ABU Proposal	Resolution	Verifier Comments	Verifier Name	Verified On	Due Date	RR	SOE	Assigned To	Status
16839	Isomax	TKN/ISO	2008	120.1.1.1	Concern is that if seal oil is lost and K-500 is shut down, but the compressor is not isolated, this will allow high pressure hydrogen to flow out through the seals to the reservoir through the atmospheric seal oil return line resulting in fire and/or injury Consider creating an interlock system, meeting the requirements of SIL1, that would activate on low low level in V-402, closing the suction, discharge, minimum flow EBVs and buffer gas FCVs, and opening sour oil trap LCVs to isolate and depressure K-400. Consider installing chopper valves in the sour oil lines to relief which will close when K-400 is depressured to prevent relief gases from backing into compressor. Consider installing chopper valves in the buffer gas lines.	Operating procedures are being modified to assure that the compressor is isolated and depressured EOM writer to review SHOG 10/22/09	K400 is mentioned above in the "additional considerations" box by error, this item applies to K500. Record #16879 is also a consideration with recommendations to bring K500 to a safe park condition without interlocks. ISO-EP-302 "Loss of TKN Recycle" now reflects additional steps to meet the recommendations without interlocks. Below is the corrected considerations with "K500" inserted replacing K400. The suggestions below as suggested may hinder a faster response and proper timing of steps than an automated system could provide. Consider creating an interlock system, meeting the requirements of SIL1, that would activate on low low level in V-502, closing the suction, discharge, minimum flow EBVs and buffer gas FCVs, and opening sour oil trap LCVs to isolate and depressure K-500. Consider installing chopper valves in the sour oil lines to relief which will close when K-500 is depressured to prevent relief gases from backing into compressor. Consider installing chopper valves in the buffer gas lines.	Procedure changes are complete.	Shockey, Gregory A.	11/4/2009	12/4/2009	7	S	Shockey, Gregory A.	Completed
16840	Isomax	TKN/ISO	2008	12.13.3.1	Concern is the possible reactor shell failure during shutdown Consider developing a procedure to assure that Process Engineering and Operations are aware of the need to outgas properly during planned and unplanned shutdowns	Declined. A procedure is in place that should reduce the risk of this scenario to an acceptable level	Declined. A procedure is in place that should reduce the risk of this scenario to an acceptable level				12/4/2009	6	S	Shockey, Gregory A.	Declined

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16841	Isomax	TKN/ISO	2008	119.2.5.1	Consider adding an operator routine duty to monitor the level in the sour oil traps daily	Will not add redundant readings on the Intellatrac handheld device.	Declined: After investigation of the Intellatrac Handheld there is no need for the redundancy, this does not fit the original philosophy of what the Intellatrac handheld device is for.		Haswell, Christine B.		12/4/2009	8	A	Shockey, Gregory A.	Declined
16842	Isomax	TKN/ISO	2008	10.12.1.1	Concern is liquid collected in low points of vertical tube passes resulting in a stalled pass during startup leading to tube failure Consider replacing vertical furnace tube passes with a horizontal tube arrangement	Declined. A revised procedure is in place that should reduce the risk of this scenario to an acceptable level	Declined. A revised procedure is in place that should reduce the risk of this scenario to an acceptable level				12/4/2009	6	S	Shockey, Gregory A.	Declined
16843	Isomax	TKN/ISO	2008	5.1.1.2	Concern is hydrogen could backflow through P501 into low pressure equipment and cause overpressure resulting in fire, explosion or personnel injury Consider adding an automated closing of the feed chopper valve HCV5007 to the low flow shutdown logic	Declined. Recommendation #53 will be implemented which will reduce the risk this scenario to an acceptable level. Reco #53 resolution plan is "Add to IMPACT shutdown planning "Front Page" to be assured that the check valves are serviced at every planned shutdown	Declined. Recommendation #53 will be implemented which will reduce the risk this scenario to an acceptable level. Reco #53 resolution plan is "Add to IMPACT shutdown planning "Front Page" to be assured that the check valves are serviced at every planned shutdown				12/4/2009	5	S	Shockey, Gregory A.	Declined
16844	Isomax	TKN/ISO	2008	14.1.1.1	Concern is the level measurement on V540 is not reliable. Consider installation of more reliable level transmitteers for LT542 and LT543	Install more reliable level transmitters for LT542 and LT543	Declined. The level instrumentation is currently the most accurate indication available at this time. Guided wave radar has not proved reliable in high pressure situations. We are continuing to investigate guided wave radar, and will look for more options in the future.	I agree	Cavote, Christopher P.	9/24/2009	12/4/2009	6	S	Shockey, Gregory A.	Completed
16845	Isomax	TKN/ISO	2008	15.1.1.1	Concern is that there is no indication or alarm of wash water flow to E551 independent of the flow control loop FC5552. Consider adding an alarm to the existing individual pass wash water flows in the DCS	Add an alarm to the existing E551 pass flow measurements	Created MOC 21121 Waldrop 11/5/09. HSE & Stage 1 completed, Grady Carter added a common point that will alarm at a low per pass wash water flow of 9.5 gpm of any or multiple pass flows (per PED, this is the nozzle low flow limit to guarantee a good spray pattern).	Jason says it's complete!	Cavote, Christopher P.	11/23/2009	12/4/2009	6	S	Waldrop, Jason S.	Completed

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16846	Isomax	TKN/ISO	2008	17.2.1.2	Concern is that there has been minor plugging of the similar level control valves in TKC Consider performing a PED review of NH4HS sublimation temperature and determine if there is a need to istall steam tracing	Declined. PSVs IX-560ABC will prevent overpressure of the vessel or piping	Declined. PSVs IX-560ABC will prevent overpressure of the vessel or piping				12/16/2008	6	S	Shockey, Gregory A.	Declined
16847	Isomax	TKN/ISO	2008	22.4.1.1	Concern is that a high pressure dump valve bypass has been inadvertently opened on the run in the past. Consider clearly marking both the TKC, TKN and Iso dump system bypass valves Consider adding a valve stem position switch on the valves that would alarm if the valve status was "not closed".	Add labels to dump system valves and label lines	Decline - The ADS valves are already clearly labeled. This bypass valve is no different than any other bypass valve, therefore it is very obvious to operations personnel that this is a manually control bypass for the automatic dump valves.	I approve with Greg's assessment.	Cavote, Christopher P.	9/22/2009	12/4/2009	5	A	Shockey, Gregory A.	Completed
16848	Isomax	TKN/ISO	2008	27.1.1.1	Concern is that the level transmitter has a history of plugged leads and unreliable operation Consider placing the level transmitter on a routine preventive maintenance program		Not enough detail on this item to be able to complete.		Haswell, Christine B.		12/4/2009		A	Shockey, Gregory A.	Declined
16849	Isomax	TKN/ISO	2008	34.4.1.1	Concern is that opening TP-737 4-inch discharge to relief (Oops Loop) has occurred in the past. Add this valve to the chain lock list or install a second valve and blind in this line.	Add valve to chain lock list	Chain lock list for ISO7 was checked out and 4" valve has been added to the document. Notification for the crew that is on today (5-14-09) to add chain was made as well as a general email to all North Isomax operators making them aware of the addition.	Procedure has been updated.	Shockey, Gregory A.	5/14/2009	6/1/2009	6	A	Johnson, David K.	Completed

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16850	Isomax	TKN/ISO	2008	41.1.1.1	Concern is that backflow through P736 can result in H2S release at the tank field Consider adding an APS to the P736/A pumps. Consider adding a second check valve upstream of FT770 and servicing the valves at every shutdown to assure reliable backflow prevention	Declined. The single check valve and the automatic shutoff of the flow control valve are adequate to reeduce the risk to an acceptable level	Declined. The single check valve and the automatic shutoff of the flow control valve are adequate to reeduce the risk to an acceptable level				12/16/2008	6	S	Shockey, Gregory A.	Declined
16851	Isomax	TKN/ISO	2008	48.5.1.1	Concern is that E737 and E738 tube side temperature limits are 500degF and E722 outlet temperature can exceed that limit. Consider adding an alarm to the existing TI7259 signal in the DCS	Create an MOC to add 500 degF PVHI alarm to 76TI7259	MOC 21120 created Waldrop 11/5/09. Note that during the HSE, it was determined that RIMS SIS tubeside MAWT was incorrectly entered as 500F. The correct MAWT per the original SIS for E-737 & E-738 is 650F. Therefore this DCS alarm was added at 650F as a high priority. Grady Carter added alarm to DCS on 11/23/09, and the RIMS SIS MAWT for E-737 & E-738 were corrected to reflect 650F.	Alarm has been added.	Cavote, Christopher P.	11/23/2009	12/4/2009	8	A	Waldrop, Jason S.	Completed
16852	Isomax	TKN/ISO	2008	58.2.1.1	Concern is that there is no alarm to call operator attention to the warmup line on the standby pump, P601/A, being closed. Consider adding an alarm to the existing flow measurement signal FT6011	Review the Case Temperature measurements and add one alarm - either temperature or flow, if no alarm already exists	A low flow alarm will be added to the DCS on 75FT6011 to be set at .75kbpd the week of June 1st, 2009. An HSE was completed and MOC # 20368 was created.	Alarm complete.	Shockey, Gregory A.	6/6/2009	6/15/2009	6	S	Johnson, David K.	Completed
16853	Isomax	TKN/ISO	2008	59.16.1.1	Concern is potential tube failure due to unrecognized Consider adding more TIs on each F6x0 furnace pass	Declined. Each pass has 3 TIs in the firebox and inlet and outlet TIs on each pass. This is considered adequate protection.	Declined. Each pass has 3 TIs in the firebox and inlet and outlet TIs on each pass. This is considered adequate protection.				12/16/2008	6	S	Shockey, Gregory A.	Declined

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16854	Isomax	TKN/ISO	2008	71.4.1.1	Concern is that a high pressure dump valve bypass has been inadvertently opened on the run in the past. Consider clearly marking both the TKC, TKN and Iso dump system bypass valves Consider adding a valve stem position switch on the valves that would alarm if the valve status was "not closed".	Add labels to dump system valves and label lines	Decline - The ADS valves are already clearly labeled.	I approve.	Cavote, Christopher P.	9/22/2009	12/4/2009	5	A	Shockey, Gregory A.	Completed
16855	Isomax	TKN/ISO	2008	72.3.1.1	Concern is that liquid hydrocarbon can flow bck into the K600 case if the compressor stops running leading to increased downtime for cleanup Consider installation of check valves in each reactor recycle hydrogen line and a second check valve in the K600 minimum flow line	Declined. Operating procedure for loss of recycle comnpressor calls for closing the discharge block valve which will prevent liquid from enetering the compressor.	Declined. Operating procedure for loss of recycle comnpressor calls for closing the discharge block valve which will prevent liquid from enetering the compressor.				12/16/2008	6	A	Shockey, Gregory A.	Declined
16856	Isomax	TKN/ISO	2008	8.3.1.1	Concern is that backflow through K500 would result in liquid in the suction lines requiring extended time for cleanup and restart. Consider installation of check valves in each reactor recycle hydrogen line	Declined. Has not been a problem in the past. Existing check valve in the pump discharge line is considered adequate protection for this scenario.	Declined. Has not been a problem in the past. Existing check valve in the pump discharge line is considered adequate protection for this scenario.				12/4/2009	6	A	Shockey, Gregory A.	Declined
16857	Isomax	TKN/ISO	2008	89.1.1.1	Concern is that there is no alarm independent of the TC750/FC753 control loop to alaert operators to this deviation. Consider adding a low temperature alarm to the existing TI7425 and TI7426 temperature signals in the DCS	Declined	Declined. New design in E757's reduce the likelihood of this occuring. Also, current alarms are adequate. Extra alarms would be redundant and could cause alarm overload.		Shockey, Gregory A.		12/4/2009	7	S	Haswell, Christine B.	Declined

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16859	Isomax	TKN/ISO	2008	5.1.1.2	Concern is hydrogen could backflow through P501/B into low pressure equipment and cause overpressure resulting in fire, explosion or personnel injury Consider servicing both the discharge check valve at P501, P501B and the combined discharge line check valve at every shutdown	Add to IMPACT shutdown planning "Front Page" to be assured that the check valves are serviced at every planned shutdown.	Added to the TKN S/D list of work for every shutdown.	Servicing of discharge check valves for P501 and P501B added to the shutdown worklist.	Chavda, Bharat	6/1/2009	11/30/2009	5	S	Shockey, Gregory A.	Completed
16860	Isomax	TKN/ISO	2008	12.13.1.1	Concern is the possibility of brittle fracture during startup Consider implenting a program to service all critical instrumentation related to safe startup of the reactors at every shutdown	Declined. The SOA procedure that is being developed will determine the need for servicing instruments based on a consistent set of guidelines.	Declined. The SOA procedure that is being developed will determine the need for servicing instruments based on a consistent set of guidelines.				12/4/2009	6	A	Shockey, Gregory A.	Declined
16861	Isomax	TKN/ISO	2008	14.1.1.1	Concern is the differential pressure measurement across E550 tube side is unreliable Consider installation of more reliable differential pressure transmitter(s) for PDI550. Consider adding a clean hydrogen purge to the pressure taps	Investigate the potential benefit and reliability of purging the taps, heat tracing or a modified transmitter arrangement using two pressure transmitters. Add implementation of the selected recommendation as a second action item for tracking purposes	1. Original D/P transmitter (Honeywell Remote Seal D/P) has been removed & individual pressure transmitter installed. The above change requires installation of process tubing, valve manifold & steam tracing. (note: installation on lower pressure transmitter incomplete.) This system is susceptible to plugging. (small ID of process tubing)	We need to modifiy the steam tracing on both taps of 74PT550A and 74PT550B to keep the entire impulse tubing hot. And insulate both flanges. 1/22/10: Per GR-800, flanges should not be insulated, and will not be at this time.	Siebert, Matthew J.	11/16/2009	12/4/2009	6	S	Walker, Ronald	Completed
16862	Isomax	TKN/ISO	2008	14.2.1.2	Concern is that there has been minor plugging of the similar level control valves in TKC Consider performing a PED review of NH4HS sublimation temperature and determine if there is a need to istall steam tracing	Declined. PSVs IX-560ABC will prevent overpressure of the vessel or piping	Declined. PSVs IX-560ABC will prevent overpressure of the vessel or piping				12/16/2008	6	S	Shockey, Gregory A.	Declined

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16863	Isomax	TKN/ISO	2008	14.5.2.1	Concern is that PDI540 measurement is not reliable. Consider modifying the installation and the measurement device and performing preventative maintenance on the transmitter on a regular basis	Investigate the current design and make a recommendation for a more reliable installation. Add implementation of the selected recommendation as a second action item for tracking purposes	This is a shutdown item and has been added to the TKN shutdown work scope.. Modifications and repairs are to be completed during the 2010 TKN shutdown which is scheduled to begin the shutdown on 2/28/10.	This DP meter was replaced on the TKN major shutdown. Shog 3/30/10	Haswell, Christine B.	3/30/2010	5/3/2010	6	S	Shockey, Gregory A.	Completed
16864	Isomax	TKN/ISO	2008	14.13.1.1	Concern is that there is no obvious way to determine if there is a tube leak in E540 Consider adding the notation of oil, or no oil, in the gage glass to the Intelatrak readings.	Add reading to the Intelatrak hand held device	added oil/ No oil in inteletrak readings. AO-2 readings for E-540.	Reviewed Inteletrac database w/ Mark Isherwood. Shows check E-540 for visual appearance.	Storrs, Tim R.	11/16/2009	5/1/2009	5	S	Isherwood, Mark C.	Completed
16865	Isomax	TKN/ISO	2008	14.13.1.1	The team considers this exchanger (E540) is not critical the current operation. When the TKN separation is reviewed for future modification, consider removing E540 and upgrading V540	Declined. Recommendation #21 will be implemented which will reduce the risk of this scenario to an acceptable level. Reco #21 is "Concern is that there is no obvious way to determine if there is a tube leak. Consider adding the notation of oil, or no oil, in the gage glass to the Intelatrak readings."	Declined. Recommendation #21 will be implemented which will reduce the risk of this scenario to an acceptable level. Reco #21 is "Concern is that there is no obvious way to determine if there is a tube leak. Consider adding the notation of oil, or no oil, in the gage glass to the Intelatrak readings."				12/4/2009	5	S	Shockey, Gregory A.	Declined

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16866	Isomax	TKN/ISO	2008	15.1.1.1	Concern is that the length of time the unit can be run without wash water is not fully documented Consider adding the information to the EOM, training materials and COD tables related to the maximum amount of time the unit can be run without wash water injection	Add info to EOM and COD	During the partial PHA completed last fall for the TKN there was a concern that the length of time that the TKN and TKC can be run without wash water was not fully documented. So after investigation into the data available here is what I've found: At the top of Emergency Procedure TKCE-305 (Loss of P-455A/B Wash Water Pumps) this note is bolded placed: NOTE: TKC can operate for ~2 hours maximum without wash water and TKN can operate for ~8 hours without wash water. Actual length of operation depends on feed rates, plus nitrogen and sulfur composition in feed. Below is the short cut to the documented data in which these hours have been established. This is a best practice within the Hydroprocessing specific process. https://grkm.chevron.com/grkm/h2proc.nsf/main/ea3661e48afd0b8188256cc2001d634b/$FILE/BPHP-002-REV%206.pdf In short, due to the high volume of nitrogen and sulfur in the TKN and TKC feed, the concentration of ammonia bisulfide falls into the severest category (~ 10% in TKN and 15-20% in the TKC) which justifies the short amount of time the plant is to be run	This item is complete	Shockey, Gregory A.	5/14/2009	6/1/2009	6	S	Johnson, David K.	Completed

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							without wash water.								
16867	Isomax	TKN/ISO	2008	15.12.1.1	Concern is that there is no written procedure requiring the monitoring of nitrogen presure on this line for the duration of the shutdown. Consider adding an IMPACT task to monitor the nitrogen pressure and include a caution describing the importance of the hitrogen puge to protect this metal.	Consider adding an IMPACT task to monitor the nitrogen pressure and include a caution describing the importance of the nitrogen purge to protect this metal.	After researching the EOM the following statement within the shutdown procedure exists: TKN/ISO Normal Shutdown ISO-NP-3002 1.12 E-551 outlet piping to the inlet of V-550 is Incoloy 800H and must not be exposed to ambient air. During cleanup, soda ash solution will protect the piping for a short period of time. But this line should be blinded and N2 packed for the duration of the shutdown. Polythionic stress corrosion cracking will result if not N2 packed.Staging erected to support shutdown. I also had a discussion with Ray Ullarich to ensure that he understood the meaning behind the need for an N2 blanket in which he was already fully versed.	Procedure is complete.	Shockey, Gregory A.	5/14/2009	6/1/2009	6	S	Johnson, David K.	Completed
16868	Isomax	TKN/ISO	2008	27.1.1.1	Consider replacing the LC724 level bridle with larger diamerter piping		Declined due to lack of information on why or what the benefit would be.		Haswell, Christine B.		12/4/2009		A	Shockey, Gregory A.	Declined
16869	Isomax	TKN/ISO	2008	27.1.1.1	Consider converting LSL724 from a low level switch to a high level switch		Declined due to lack of information on why or what the benefit would be.		Haswell, Christine B.		12/4/2009		A	Shockey, Gregory A.	Declined
16870	Isomax	TKN/ISO	2008	27.1.1.1	Consider adding the observation of the V720 udder oil/water level gage glass to the Intelatrak	Declined	This does not fit the Intellatrak philosophy so this is declined.		Haswell, Christine B.		12/4/2009		A	Shockey, Gregory A.	Declined

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16871	Isomax	TKN/ISO	2008	41.1.1.1	Concern is that C770 will gas out to C730 if sponge oil is lost. Consider adding a chopper valve on the C770 bottoms line activated by low level signal from LC770	Declined. The single check valve and the automatic shutoff of the flow control valve are adequate to reduce the risk to an acceptable level	Declined. The single check valve and the automatic shutoff of the flow control valve are adequate to reeduce the risk to an acceptable level				12/16/2008	6	S	Shockey, Gregory A.	Declined
16872	Isomax	TKN/ISO	2008	48.5.3.1	Concern is that FV7312 fully closed to E-737 could result in increased reactor inlet temperature and possible excursion Consider adding a low alarm to the existing measurement 76TD732 in the DCS	Declined. The existing alarms and shutdowns provide adequate protection.	Declined. The existing alarms and shutdowns provide adequate protection.				12/16/2008	6	S	Shockey, Gregory A.	Declined
16873	Isomax	TKN/ISO	2008	48.6.2.1	Concern sulfur poisoning of Rheniformer catalyst Consider adding a low alarm to the existing measurement 76TD731 in the DCS	Declined. The existing protections have proven adequate	Declined. The existing protections have proven adequate				12/16/2008	7	A	Shockey, Gregory A.	Declined
16874	Isomax	TKN/ISO	2008	58.3.1.1	Concern is that the P601/A minimum flow bypass valve can develop plugging over time and not be noticed which would result in the bypass failing to function when needed. Consider adding a routine duty to open the bypass periodically and confirm flow throught bypass valve. Consider adding a task to drop and clean the valve any time the feed pumps are shut down.	Valve is on the shutdown list for the next shutdown to be redesigned or resized to eliminate future problems.	This has been added to the TKN S/D list of work to do, Ray Ullarich has verified this was done. SHOG 8/7/2009	Added to the shutdown worklist as indicated above.	Chavda, Bharat	8/17/2009		6	A	Shockey, Gregory A.	Completed
16875	Isomax	TKN/ISO	2008	58.5.1.1	Concern is hydrogen could backflow through P601 into low pressure equipment and cause overpressure resulting in fire, explosion or personnel injury Consider servicing both the discharge check valve at each pump and combined flow check valve at every shutdown	Add to IMPACT shutdown planning "Front Page" to be assured that the check valves are serviced at every planned shutdown.	This has been added to the TKN S/D list of work via the front page, Ray Ullarich has verified this was done. SHOG 8/7/2009	Added to the shutdown worklist as indicated above.	Chavda, Bharat	8/17/2009		6	S	Shockey, Gregory A.	Completed

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16876	Isomax	TKN/ISO	2008	58.5.1.1	Concern is hydrogen could backflow through P601 into low pressure equipment and cause overpressure resulting in fire, explosion or personnel injury Consider adding an automated closing of the feed chopper valves HV6011 and HV601B to the low flow shutdown logic	Declined. The dual check vlaves and furnace low flow shutdowns will provvide the required protection.	Declined. The dual check vlaves and furnace low flow shutdowns will provvide the required protection.				12/16/2008	6	S	Shockey, Gregory A.	Declined
16877	Isomax	TKN/ISO	2008	72.12.3.1	Consider implementing the installation of PV600B, split range controller with PV600A	Declined. Current control systems and PSV'swill protect the system adequately.	Declined. Current control systems and PSV'swill protect the system adequately.	System is adequately protected by the separation section PSV's.	Shockey, Gregory A.	9/22/2009	12/4/2009	7	S	Haswell, Christine B.	Completed
16878	Isomax	TKN/ISO	2008	89.2.1.1	Concern is that there is no alarm independent of the TC750/FC753 control loop to alert operators to this deviation. Consider adding a high temperature alarm to the existing TI7421 temperature signal in the DCS		Declined. New design in E757's reduce the likelihood of this occuring. Also, current alarms are adequate. Extra alarms would be redundant and could cause alarm overload.		Shockey, Gregory A.		12/4/2009	8	A	Haswell, Christine B.	Declined
16879	Isomax	TKN/ISO	2008	120.1.1.1	Concern is that the K-500 emergency procedures are not consistent with current operating practices. Consider revising the emergency procedures to reflect the manner in which operators should address the issue of seal oil system failure and train all operators on the correct procedure. Operators should block in the buffer gas, close the EBVs and depressure the compressor to relief when compressor shuts down on low low level in V-402.	EOM writer to review the emergency procedures per the A/C above are being modified to assure that the compressor is isolated and depressured EOM writer to review SHOG 10/22/09	Loss of TKN Recycle Compressor ISO EP 302 has been modified to address the PHA issue. Section 5.6.1 has been added to isolate the compressor and depressure. An additional informational note was added to the procedure as well for clarity and to satisfy human factors.	Complete	Shockey, Gregory A.	11/4/2009	12/4/2009	7	S	Shockey, Gregory A.	Completed

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16880	Isomax	TKN/ISO	2008	120.1.1.1	Concern is that the turbine driven spare pump may trip off-line immediately when started suddenly. Consider using the turbine driven pump, P404B, as the primary seal oil pump and the motor driven pump, P404A, as the backup	This is not a realistic problem.	Declined.		Haswell, Christine B.		12/4/2009	7	S	Shockey, Gregory A.	Declined
16881	Isomax	TKN/ISO	2008	120.1.2.1	Consider adding a high level alarm to the existing LI5021/A and LI5022/A signals in the DCS	Declined	Consideration has been declined. Current protections and alarm system for compressor and seal oil are adequate. Extra alarms would add to potential alarm overload / nuisance alarms for control board operator.		Haswell, Christine B.		12/4/2009	8	S	Shockey, Gregory A.	Declined
16882	Isomax	TKN/ISO	2008	120.1.3.1	Consider adding a high level alarm to the existing LI5021/A and LI5022/A signals in the DCS	Declined this A/C	Consideration has been declined. Current protections and alarm systems for the compressor and seal oil are adequate. Also, additional alarms would add to alarm overload for control board operator.		Haswell, Christine B.		12/4/2009	7	S	Shockey, Gregory A.	Declined
16883	Isomax	TKN/ISO	2008	120.2.2.1	Consider adding an operator routine duty to monitor the level in the sour oil traps daily	This recommendation does not comply with the philosophy of not duplicating reading on the Intellatrac that are already on the operator control board.	These readings are already on OWS3.		Haswell, Christine B.		12/4/2009	8	A	Shockey, Gregory A.	Declined
16884	Isomax	TKN/ISO	2008	120.2.1.1	Concern is that the K-500 emergency procedures are not consistent with current operating practices. Consider revising the emergency procedures to reflect the manner in which operators should address the issue of seal oil system failure and train all operators on the correct procedure. Operators should block in the buffer gas, close the EBVs and depressure the compressor to relief when compressor shuts down on low low level in V-402.		This is an identical recommendation as 120.1.1.1. Please see that item for follow up and resolution.	Duplicate C/A.	Shockey, Gregory A.	9/22/2009	12/4/2009	7	S	Haswell, Christine B.	Completed

Totals: 45 Records